

Title: METHOD AND APPARATUS FOR REDUCING
THE THICKNESS OF A SENSOR STACK IN A
CURRENT-PERPENDICULAR-TO-PLANE
GMR/TUNNEL VALVE SENSOR

Applicants: H. Gill

Docket: HSJ920030223US1/HITG.069PA

Sheet 1 of 8

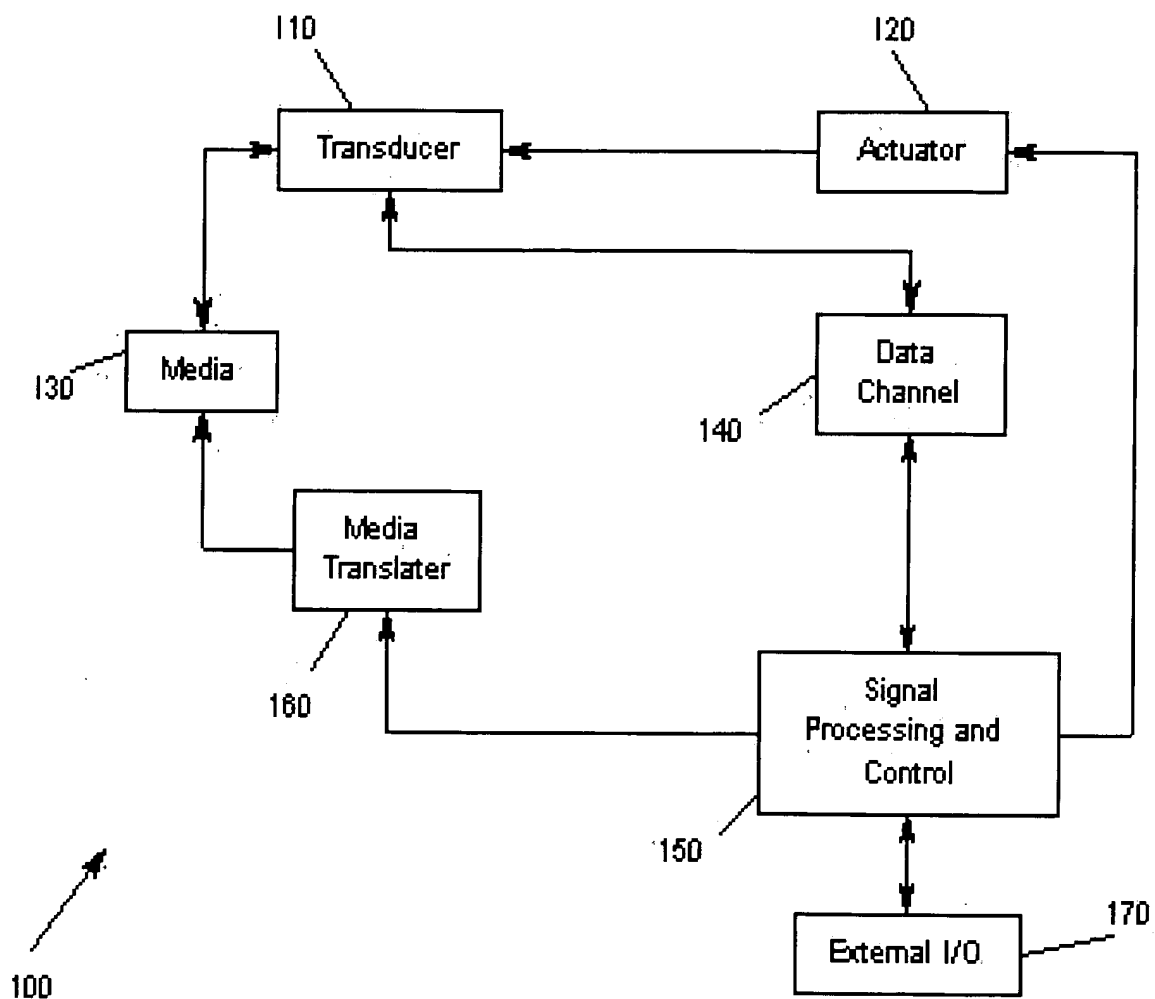


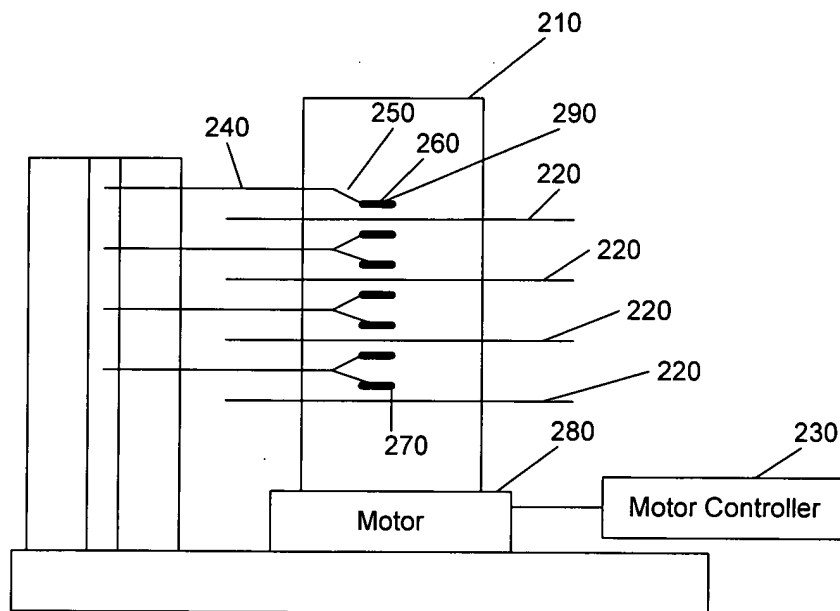
Fig. 1

Title: METHOD AND APPARATUS FOR REDUCING
THE THICKNESS OF A SENSOR STACK IN A
CURRENT-PERPENDICULAR-TO-PLANE
GMR/TUNNEL VALVE SENSOR

Applicants: H. Gill

Docket: HSJ920030223US1/HITG.069PA

Sheet 2 of 8



200

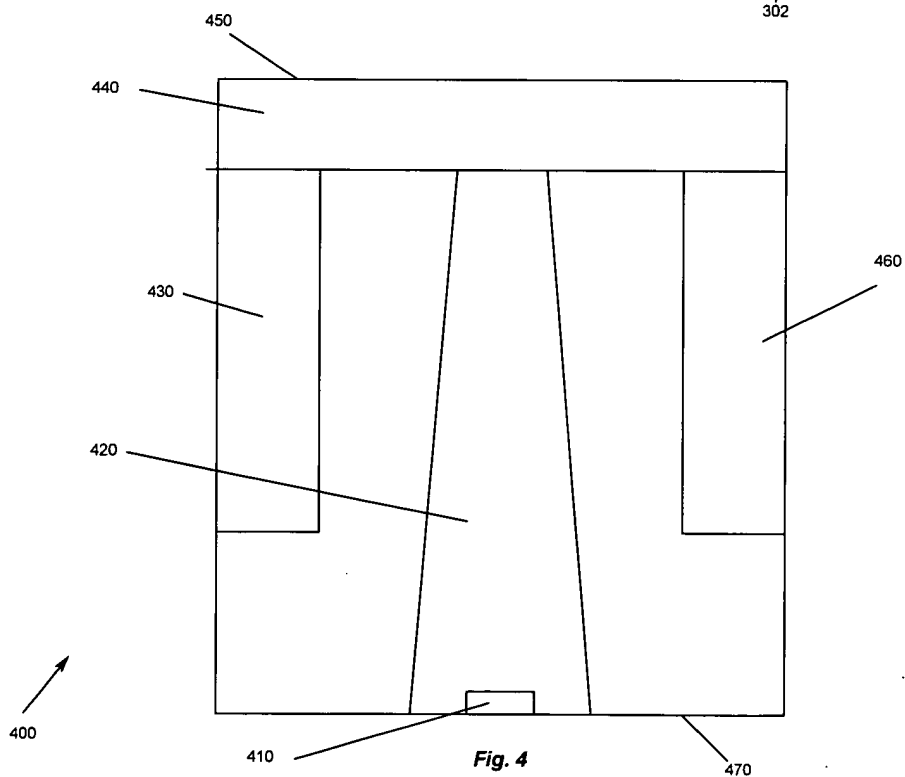
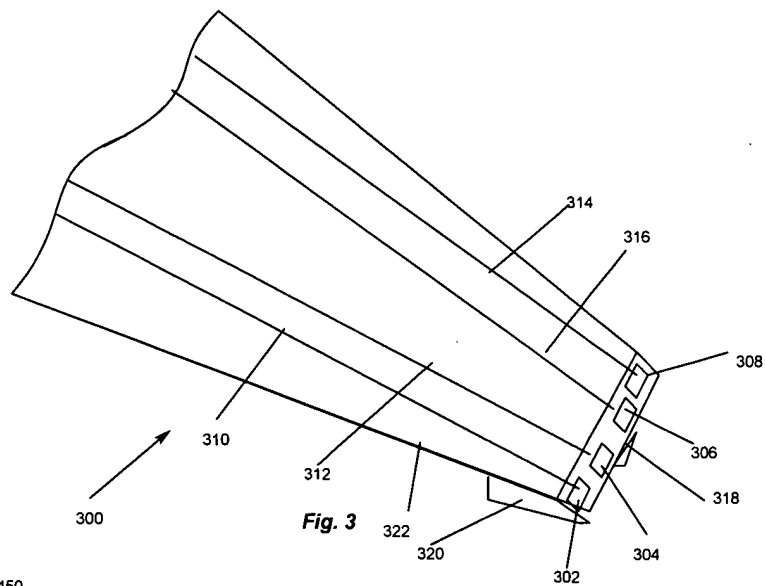
Fig. 2

Title: METHOD AND APPARATUS FOR REDUCING
THE THICKNESS OF A SENSOR STACK IN A
CURRENT-PERPENDICULAR-TO-PLANE
GMR/TUNNEL VALVE SENSOR

Applicants: H. Gill

Docket: HSJ920030223US1/HITG.069PA

Sheet 3 of 8



500


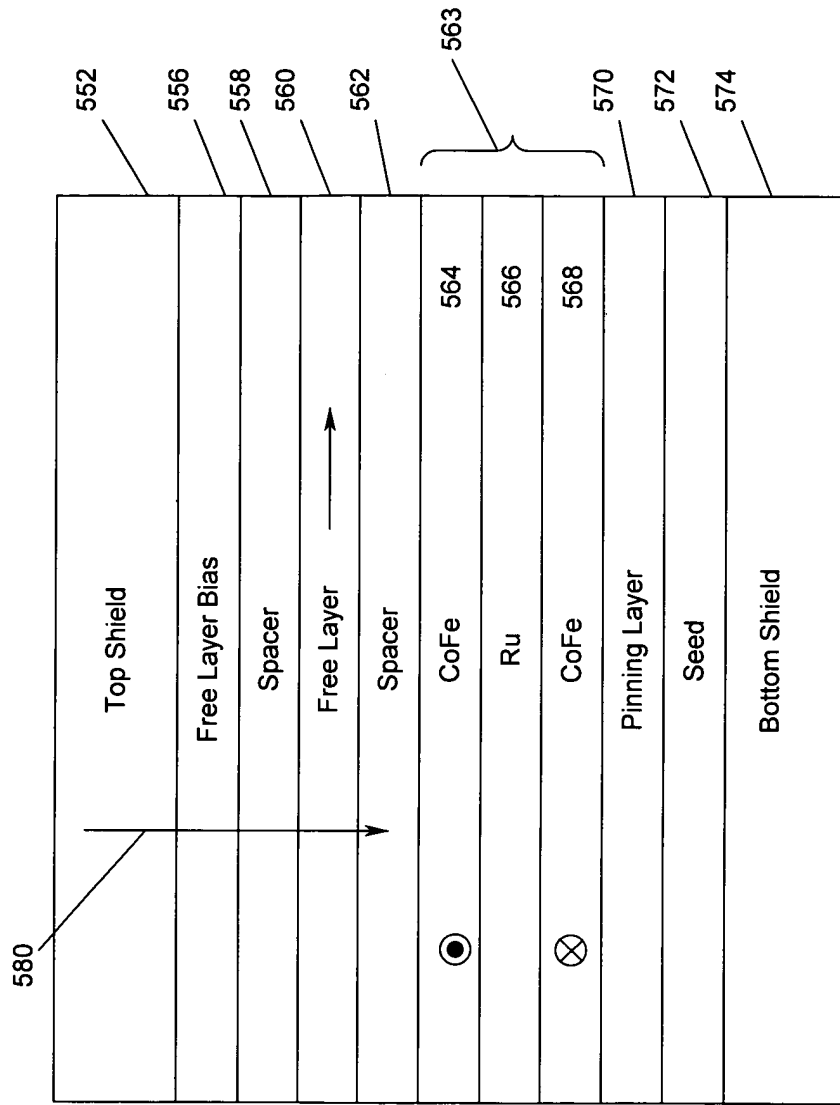



Fig. 5

Title: METHOD AND APPARATUS FOR REDUCING
THE THICKNESS OF A SENSOR STACK IN A
CURRENT-PERPENDICULAR-TO-PLANE
GMR/TUNNEL VALVE SENSOR

Applicants: H. Gill

Docket: HSJ920030223US1/HITG.069PA

Sheet 5 of 8

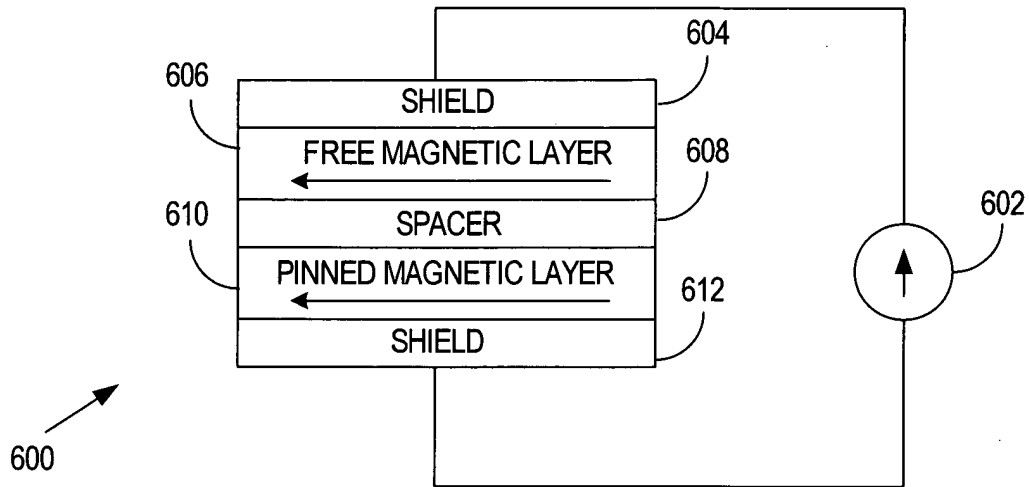


FIG. 6A

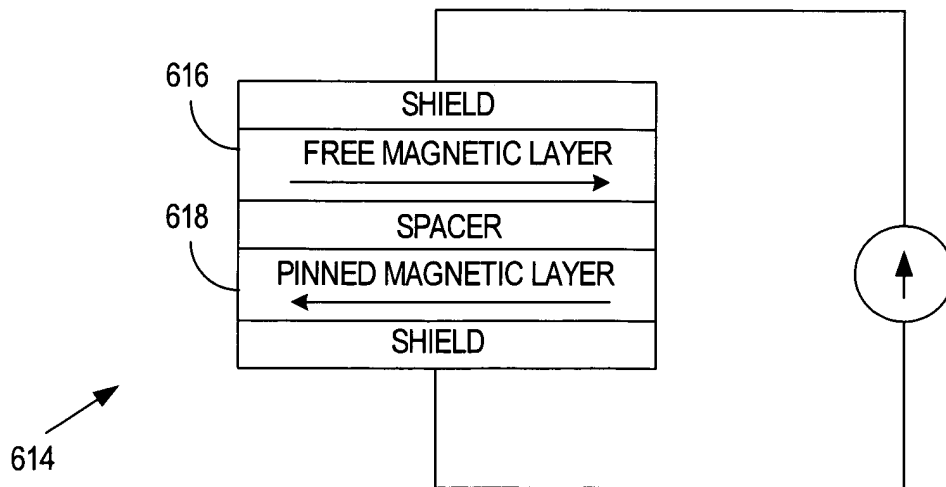


FIG. 6B

Title: METHOD AND APPARATUS FOR REDUCING
THE THICKNESS OF A SENSOR STACK IN A
CURRENT-PERPENDICULAR-TO-PLANE
GMR/TUNNEL VALVE SENSOR

Applicants: H. Gill

Docket: HSJ920030223US1/HITG.069PA

Sheet 6 of 8

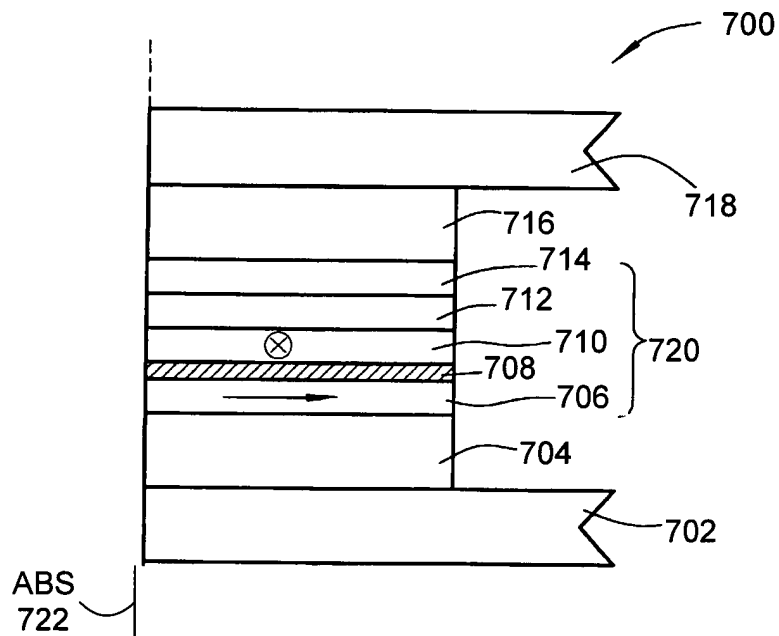


Fig. 7

Title: METHOD AND APPARATUS FOR REDUCING
THE THICKNESS OF A SENSOR STACK IN A
CURRENT-PERPENDICULAR-TO-PLANE
GMR/TUNNEL VALVE SENSOR

Applicants: H. Gill

Docket: HSJ920030223US1/HITG.069PA

Sheet 7 of 8

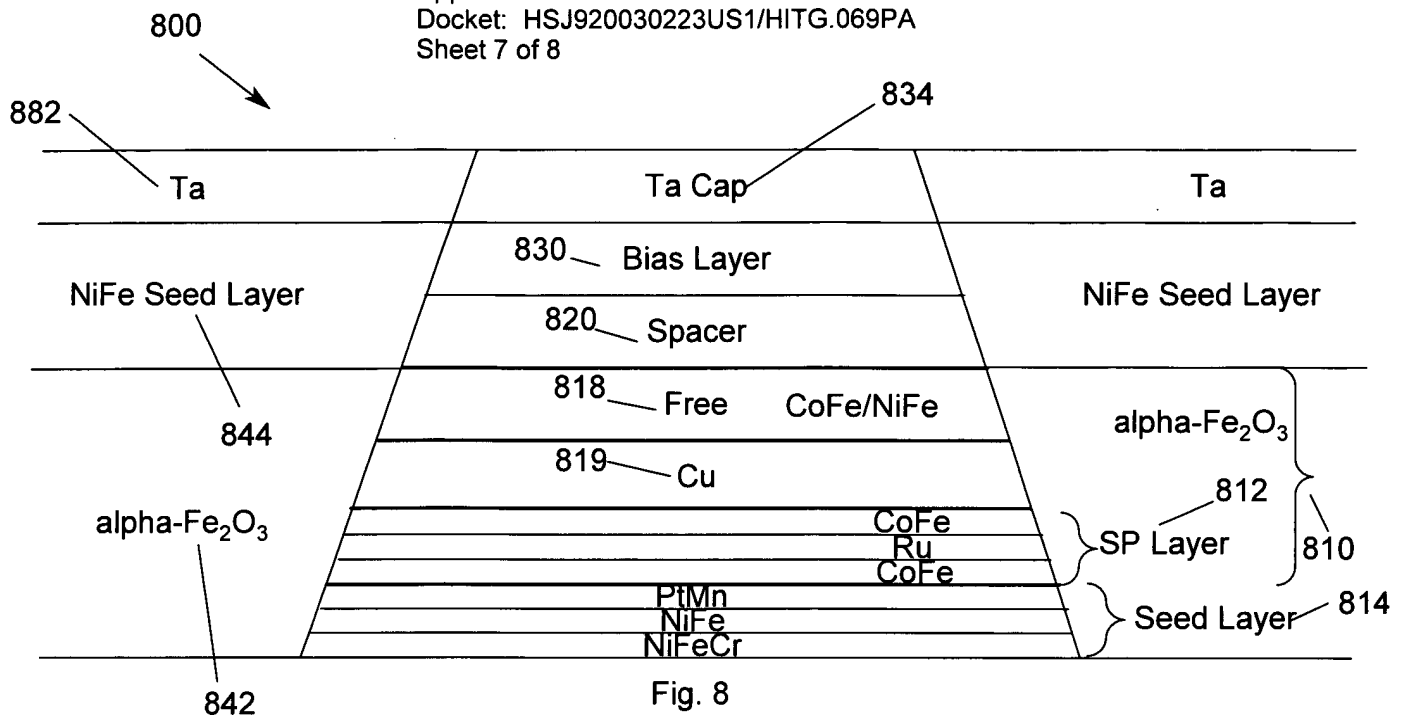


Fig. 8

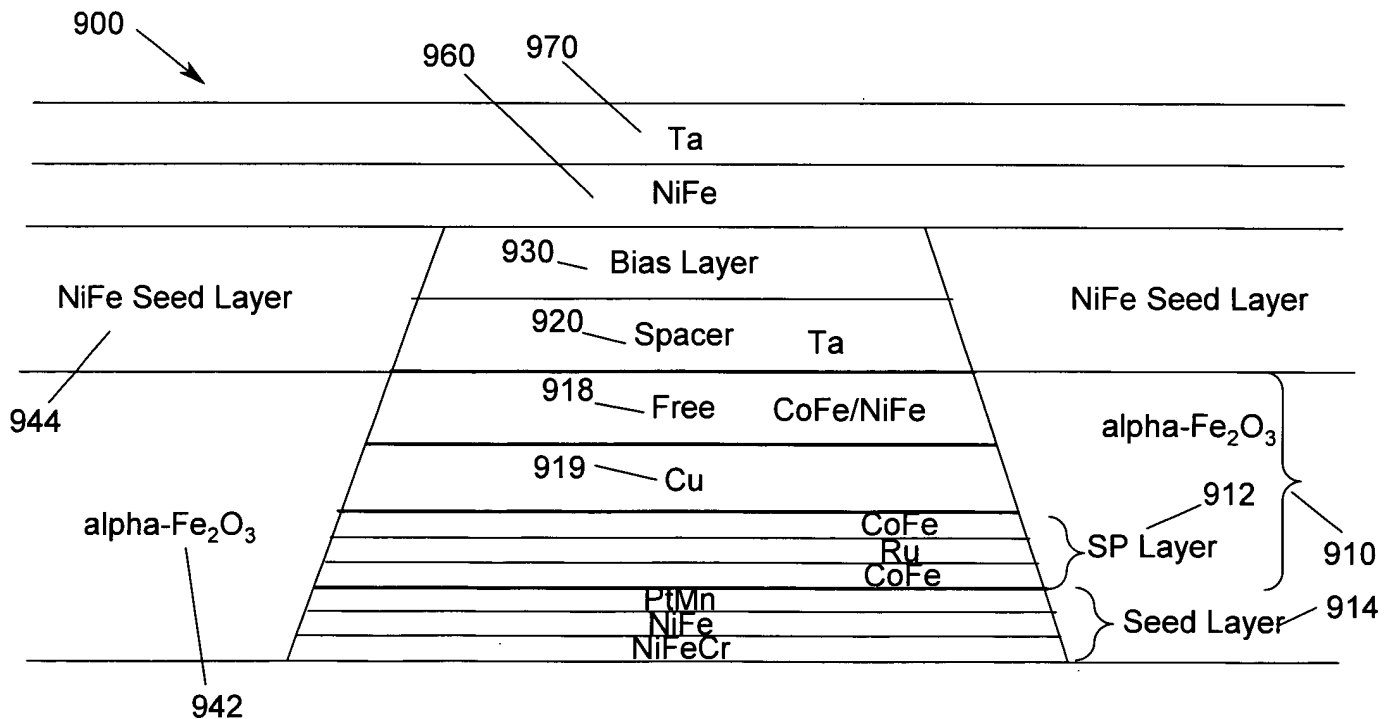


Fig. 9

1000

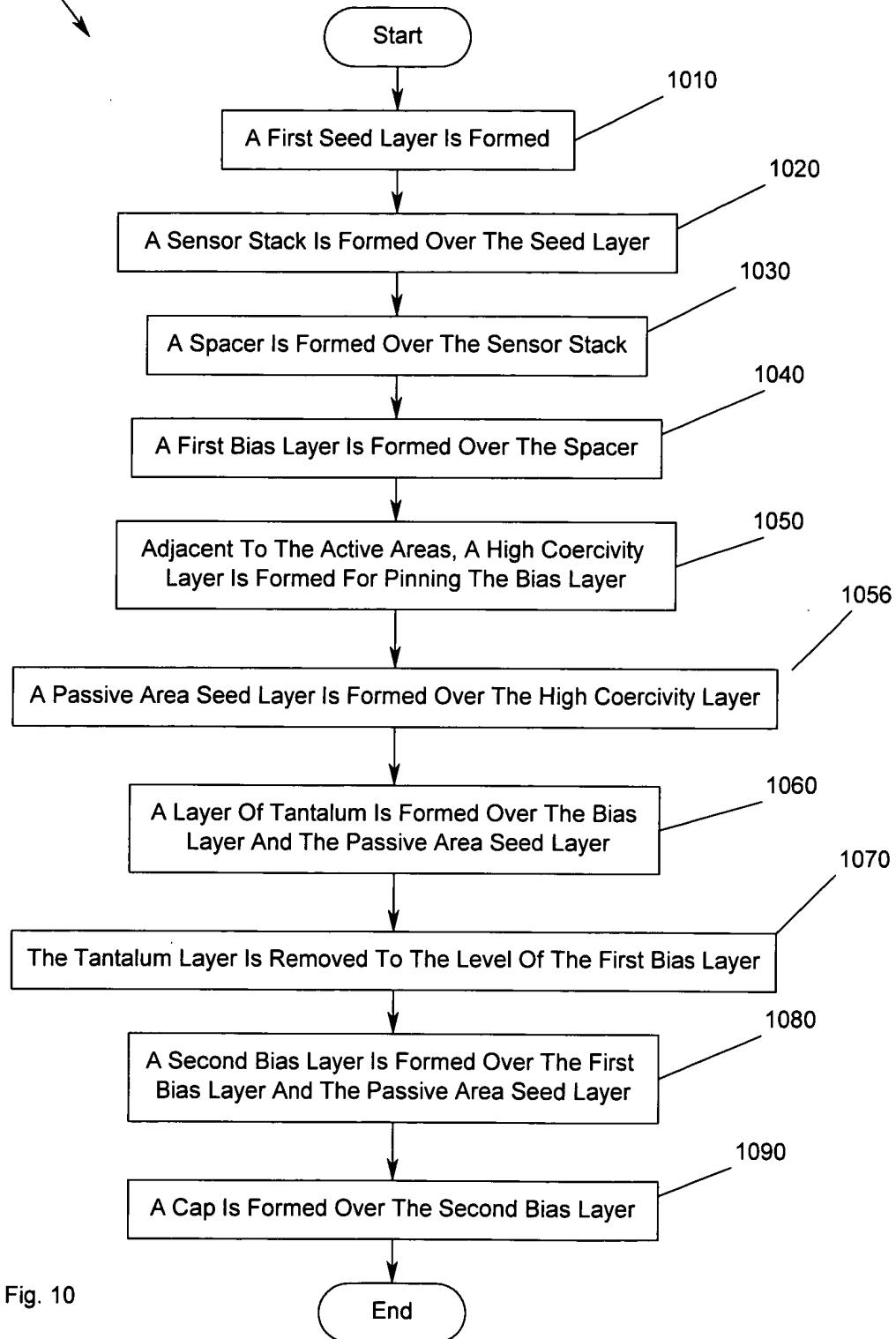


Fig. 10